

# CHAMOT

**重组小鼠趋化因子CCL4 /Recombinant CCL4,  
Mouse, Animal-Free**

CM074-5MP

CM074-20MP

CM074-100MP

CM074-500MP

CM074-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*



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## 重组小鼠趋化因子CCL4 /Recombinant CCL4, Mouse, Animal-Free

产品编号	CM074-5MP	CM074-20MP	CM074-100MP	CM074-500MP	CM074-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

C-C Motif Chemokine Ligand 4 (CCL4) is a 7.66 kDa cytokine with 69 amino acid residues. CCL4, also named macrophage inflammatory protein-1 $\beta$  (MIP-1 $\beta$ ), is mainly secreted from neutrophils, monocytes, B cells, T cells, fibroblasts, endothelial cells, and epithelial cells. In addition, CCL4 participates in immune responses, including recruitment of immune cells like lymphocytes, monocytes, and leukocytes, response to IL-1 and IFN $\gamma$ , and production of TNF when CCL4 binds to CCR5.

#### 别称

C-C Motif Chemokine Ligand 4, MIP-1b: Macrophage Inflammatory Protein-1 $\beta$ , ACT-2

#### 蛋白编码

P14097

#### 分子量

The protein has a calculated MW of 8.64 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

Escherichia coli

#### 纯度

>98% as determined by SDS-PAGE.

#### 生物活性

Measure by its ability to chemoattract human THP1 cells using a concentration range of 20-100 ng/mL.

#### 内毒素检测

<0.1 EU per 1 µg of the protein by the LAL method.

#### 蛋白序列

APMGSDPPTSCCFSYTSRQLHRSFVMDYYETSSLCSKPAVVFLTKRGRQICANPSEPWWTEYM SDLELN with polyhistidine tag at the N-terminus.

#### 产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us.

#### 产品应用

Cell Culture

## 产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

### 2.Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H<sub>2</sub>O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

### 3.Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/ml.

- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

## 产品储存/运输

**Lyophilized Protein:** Store at -20°C for 1 year.

### 储存

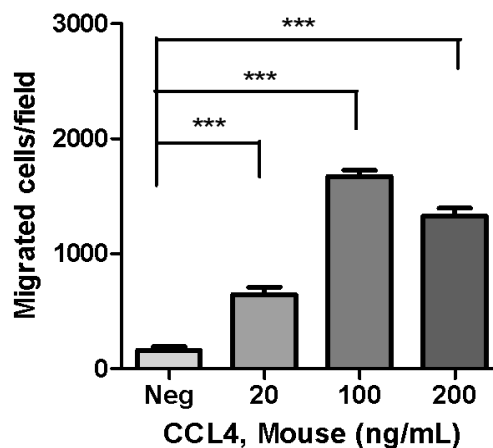
**Initial Reconstitution:** Store at 2°C to 8°C for up to 1 week.

**Extended Storage:** Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

### 运输

Blue Ice

## 实验数据展示



Activity analysis of recombinant Mouse CCL4, His Tag, E. coli.

SDS-PAGE analysis of recombinant mouse CCL4

Measure by its ability to chemoattract human THP1 cells using a concentration range of 20-100 ng/mL.

For Research Use or Further Manufacturing Only

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